



LM Series

HIGH CAPACITY EMERGENCY LIGHT

DATE: _____ LOCATION: _____

TYPE: _____ PROJECT: _____

CATALOG #: _____

FEATURES

- All LM models use either 3W or 5W LED lamp heads
- White, corrosion-resistant metal housing and front-loading cover
- Maintenance-free lead-calcium batteries
- Capacities up to 130 watts
- Lamp heads may be top or side mounted
- Low-voltage battery disconnect



SPECIFICATIONS

APPLICATION

- The LM provides emergency lighting for industrial and commercial applications
- The LM offers high capacity for higher lamp wattages and remote capability
- Offered with 6 and 12 VDC operation, 10.8 - 130 watts of capacity, and multiple lamp wattages
- The steel housing provides strength and durability.

CONSTRUCTION

- LM has two housing sizes
- Size 1 housing used with 10 - 40 watts units and made of 20-gauge corrosion-resistant steel

- Size 2 housing used with 66 - 130 watts units and made of 18-gauge corrosion-resistant steel
- Standard lamp heads are injection molded
- Aluminum lamp heads offered as optional
- Housing and lamp heads in white color

INSTALLATION

- Mount through universal knock-out pattern to standard electrical boxes up to 4" square
- Also mounts to wall surface through keyhole mounting slots
- Wiring terminals and fused distribution board located inside of housing for remote head wiring
- Pre-stripped transformer leads provided

ILLUMINATION

- All LM-03L models use 3W high performance LED lamps
- All LM-1205L models use 5W high performance LED lamps

COMPLIANCES

- UL listed to UL924 Standard

WARRANTY

- **Fixture:** 3 Years Full, 5 Years Full with Spectron
- **Battery:** Lead-Acid Models - 2 Years Full, 3 Years Pro Rata

| KEY DATA | |
|-----------------------------|-----------|
| Lumens per head | 248 |
| Wattage | 4 |
| Efficacy Range (LPW) | 135.5 |
| Rated LED Lifecycle (Hours) | < 100,000 |

ORDERING GUIDE

Example: LM40-12V-1205L

CATALOG #

| LM | Capacity | Battery Type | Output Voltage | Ratings | Self Diagnostics | Lamps |
|----------------------------------|---|--------------------|--|------------|--|--|
| LM High Capacity Emergency Light | 2 10.8 Watts 16 16 Watts 33 33 Watt 40 40 Watt 66 66 Watt 80 80 Watt 130 130Watt | Blank Lead Calcium | Blank 6 Volt ¹ -12V 12 Volt ² | Blank None | Blank None I Spectron® Self-test/ Self-diagnostic Electronics 3 | 03L 3W LED lamp heads ¹ 1205L 5W LED lamp heads ² |

Accessories (Order Separately)

- 40G** Wire Guard
- OCR-03L** Outdoor LED Remote Heads
- CPR-03L** Indoor LED remote lamps

- Notes:
- 1 Only available for LM2, LM16, LM33
 - 2 Only available for LM40, LM66, LM80, LM130
 - 3 Only available for LM16 and LM33



LM Series

HIGH CAPACITY EMERGENCY LIGHT

| | |
|------------|-----------|
| DATE: | LOCATION: |
| TYPE: | PROJECT: |
| CATALOG #: | |

ADDITIONAL PRODUCT INFORMATION

03L LED LAMP

LM fixtures with 03L lamps use 3 watts per lamp and have a life-cycle of 50,000 hours. The 03L lamp offers multiple unit spacing up to 42' on center. Each lamp delivers 155 lumens.

*Note: LM331-03L must be loaded to a minimum of 12 watts total. The integral lamps use 6W so there must be a minimum of 6W remote load added to obtain lamp sensitivity adjustment.

1205L LED LAMP

LM fixtures with 1205L lamps use 5 watts per lamp and have a life-cycle of 50,000 hours. The 1205L lamp offers multiple unit spacing up to 82' on center. Each lamp delivers 547 lumens.

ELECTRONICS

Dual voltage input of 120/277VAC, 60 Hz. Includes a fully automatic constant voltage, current limited charger with transformer isolation and low battery voltage disconnect. Transfer contact through electric relay. Power distribution made with fused leads through internally located distribution board. Maximum power consumption of 20 watts (all models).

Test initiated by means of integral test switch. AC-on indicated by LED. AC lock out provision prevents discharge of battery at installation until power is present.

OPTIONAL SPECTRON® SELF-TEST/SELF DIAGNOSTICS

Provides automatic flashing fault detection for battery, charger, transfer circuit and lamps. Conducts automatic 1-minute self-test every 28 days and a 30-minute self-test every 6 months. Automatic transfer for brownout conditions and 15-minute retransfer delay. Test switch allows for initiation of a 1, 5, 30 or 60-minute system check. Routine discharge cycles insure optimum battery performance. Meets UL standards for self-testing.

BATTERY

Maintenance-Free Lead Calcium with battery recharge per UL time standards.

OPERATING TEMPERATURE

Standard Models: 20°C to 30°C (68°F to 86°F)

UNIT CAPACITY SELECTOR

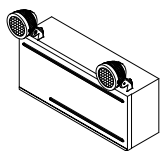
| 03L Lamp Models | DC Volts | Lamp Watts | Remote Capacity | Remote Watts | 1 1/2 Hours | 2 Hours | 3 Hours | 4 Hours |
|-----------------|----------|------------|-----------------|--------------|-------------|---------|---------|---------|
| LM2-03L | 6 | 3W | No | - | 10.8 | 7 | - | - |
| LM16-03L | 6 | 3W | Yes | 10 | 16 | 12 | 8 | - |
| LM16I-03L | 6 | 3W | Yes | 10 | 16 | 12 | 8 | - |
| LM33-03L | 6 | 3W | Yes | 27 | 33 | 25 | 17 | 13 |
| LM33I-03L | 6 | 3W | Yes | 27 | 33 | 25 | 17 | 13 |

Note- LM33I-03L must be loaded to a minimum of 12W including remotes

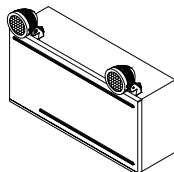
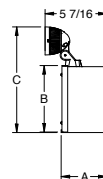
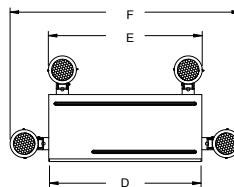
| 1205L Lamp Models | DC Volts | Standard Lamp | Enclosure Style | Remote Capacity | Total Watts For: | | | |
|-------------------|----------|---------------|-----------------|-----------------|------------------|---------|---------|---------|
| | | | | | 1 1/2 Hours | 2 Hours | 3 Hours | 4 Hours |
| LM40-12V-1205L | 12 | 5W | 1 | Yes | 40 | 31 | 21 | 16 |
| LM66-12V-1205L | 12 | 5W | 2 | Yes | 66 | 51 | 35 | 27 |
| LM80-12V-1205L | 12 | 5W | 2 | Yes | 80 | 62 | 43 | 33 |
| LM130-12V-1205L | 12 | 5W | 2 | Yes | 130 | 101 | 70 | 54 |

DIMENSIONS

| Enclosure Style | A | B | C | D | E | F |
|----------------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|
| 1 20 Ga. (.036") | 3 1/8" 9.8cm | 5 3/4" 14.6cm | 9 1/4" 23.5cm | 13 1/2" 34.3cm | 13 1/2" 33.7cm | 20 7/8" 51.2cm |
| 2 18 Ga. (.048") | 4 3/4" 12.1cm | 7 3/4" 19.7cm | 11 1/4" 28.6cm | 15 3/4" 40.0cm | 15 1/2" 38.7cm | 22 3/4" 57.8cm |



| Housing Style 1 |
|-----------------|
| LM2-03L |
| LM16-03L |
| LM16I-03L |
| LM33-03L |
| LM33I-03L |
| LM40-12V-1205L |



| Housing Style 2 |
|-----------------|
| LM66-12V-1205L |
| LM80-12V-1205L |
| LM130-12V-1205L |